

Serial No. 10/582,097

**Amendments to the Claims:**

This listing of all pending claims (including withdrawn claims) will replace all prior versions, and listings, of claims in the application. Cancelled and not entered claims are indicated with claim number and status only. The claims show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

8. (Currently Amended) An apparatus for controlling the connection and disconnection of a user's boots to a snowboard or ski, comprising;

- a power source located about the user,
- an substantially planar electromagnetic device located on each of the boots;
- at least one of a substantially planar sheet, slab, roller or particles of a ferromagnetic material on an upper face of the snowboard or ski on which the boots of the user are positioned and fixed by closing a magnetic field created by the electromagnetic devices of the boots,
- wherein, in the case of a snowboard, the apparatus allows an angle and a separation of the boots on the snowboard to be changed at rest or during movement,
- wherein, in the case of skis, the apparatus allows forward or backward movement of the boots on the upper faces of the skis to vary a tracing geometry of turns, and,
- wherein, the apparatus, allows an instantaneous and remote release of the board or skis to perform acrobatics; and
- a transmitter, operatively connected between the power source and the electromagnetic device, and being located about the user for the user to cause the transmitter to sending a command signal to activate and deactivate said electromagnetic device,
- wherein the connection and disconnection of the boots relative to the snowboard or ski occurs by presence or absence, respectively, of electromagnetic forces between the electromagnetic devices and the electromagnetic material, as controlled by the transmitter.

9. (Currently Amended) The apparatus according to claim 8,

- wherein the power source includes at least one rechargeable battery, a battery charger connected to the battery, at least one manual switch connected to the battery, the battery, charger and the manual switch being located on the belt of the user,
- wherein the transmitter includes at least one first connector electrically connected to the manual switch, a first cable located in pants of the user and connecting the first connector to a

Serial No. 10/582,097

second connector on the first cable, a third connector on one of the boots that connects to the second connector, a second cable on the other of the boots, which connects the third connector with the electromagnet device,

wherein the command signal of the transmitter to connect or disconnect the boots is controlled by the user manually operating the manual switch.

10. (Currently Amended) The apparatus according to claim 8,

wherein the transmitter includes a voice recognition device, a command transmission device, and a receiver switch on the boots to receive command signals from the command transmission device,

wherein, the receiver switch is operatively connected to the electromagnetic device,

wherein the command signal of the transmitter to connect or disconnect the boots relative to the snowboard or ski is controlled by the user's voice being detected by the voice recognition device, which voice is decoded by the command transmission device, which transmits a command to the receiver switch.

11. (Currently Amended) The apparatus according to claim 10,

wherein at least one switch-transmitter is integrated in a glove of the user,

wherein the command signal of the transmitter to connect or disconnect the boots relative to the snowboard or ski is separately controlled by the user operating the at least one switch-transmitter which transmits the command signal to the receiver switch.

12. (Currently Amended) The apparatus according to claim 8,

wherein the power source includes at least one rechargeable battery, a solar battery charger connected to the battery, at least one manual switch connected to the battery, the battery, charger and the manual switch being located in the belt of the user,

~~wherein the boot is first and second boots,~~

~~wherein the ski is first and second skis,~~

Serial No. 10/582,097

~~wherein the electromagnetic device is a first electromagnetic device on the first boot and a second electromagnetic device on the second boot,~~

wherein the transmitter includes first and second connectors electrically connected to the manual switch, a first cable located in a pant leg of the user and connecting the first connector to a third connector on the first cable, a second cable located in another pant leg of the user and connecting the second connector to a fourth connector terminating the second cable, a fifth connector on one of the boots that connects to the third connector, a sixth connector on the other of the boots that connects to the fourth connector, a first cable on the one of the boots connecting the fifth connector with the first electromagnetic device, and a second cable on the other of the boots connecting the sixth connector with the second electromagnetic device, and

wherein the command signal of the transmitter to connect or disconnect the boots relative to the skis is controlled by the user manually operating the manual switch.

13. (Currently Amended) The apparatus according to claim 8,

~~wherein the boot is first and second boots,~~

~~wherein the ski is first and second skis,~~

~~wherein the electromagnetic device is a first electromagnetic device on the first boot and a second electromagnetic device on the second boot,~~

wherein the transmitter includes a voice recognition device adjacent the user's mouth, a command transmission device located on clothing of the user, a first receiver switch on the first one of the boots and a second receiver switch on the second other of the boots, each of the first and second receiver switches to receive command signals from the command transmission device,

wherein, the first receiver switch is operatively connected to the first one of the electromagnetic devices and the second receiver switch is operatively connected to the second other of the electromagnetic devices,

wherein the command signal of the transmitter to connect or disconnect the ~~first and second~~ boots relative to the skis is controlled by the user's voice being detected by the voice recognition device, which voice is decoded by the command transmission device, which transmits a command to the first and second receiver switches.

Serial No. 10/582,097

14. (Currently Amended) The apparatus according to claim 13, further comprising:

a switch-transmitter integrated into each glove of the user,

wherein the command signal of the transmitter to connect or disconnect the first and second boots relative to the skis is separately controlled by the user operating the switch-transmitters which transmit the command signal to the first and second receiver switches.

15. (New) An apparatus for controlling the connection and disconnection of a user's boot to a snowboard or ski, comprising:

a power source located about the user,

an electromagnetic device located on the boot;

a ferromagnetic material on an upper face of the snowboard or ski; and

a transmitter, operatively connected between the power source and the electromagnetic device, and being located about the user for sending a command signal to activate and deactivate said electromagnetic device,

wherein the connection and disconnection of the boot relative to the snowboard or ski occurs by presence or absence, respectively, of electromagnetic forces between the electromagnetic device and the electromagnetic material as controlled by the transmitter,

wherein the power source includes at least one rechargeable battery, a battery charger connected to the battery, at least one manual switch connected to the battery, the battery, charger and the manual switch being located on the belt of the user,

wherein the transmitter includes at least one first connector electrically connected to the manual switch, a first cable located in pants of the user and connecting the first connector to a second connector on the first cable, a third connector on the boot that connects to the second connector, a second cable on the boot, which connects the third connector with the electromagnetic device,

wherein the command signal of the transmitter to connect or disconnect the boot is controlled by the user manually operating the manual switch.

16. (New) An apparatus for controlling the connection and disconnection of a user's boot to a snowboard or ski, comprising:

Serial No. 10/582,097

a power source located about the user,

an electromagnetic device located on the boot;

a ferromagnetic material on an upper face of the snowboard or ski; and

a transmitter, operatively connected between the power source and the electromagnetic device, and being located about the user for sending a command signal to activate and deactivate said electromagnetic device,

wherein the connection and disconnection of the boot relative to the snowboard or ski occurs by presence or absence, respectively, of electromagnetic forces between the electromagnetic device and the electromagnetic material as controlled by the transmitter,

wherein the transmitter includes a voice recognition device, a command transmission device, and a receiver switch on the boot to receive command signals from the command transmission device,

wherein, the receiver switch is operatively connected to the electromagnetic device,

wherein the command signal of the transmitter to connect or disconnect the boot relative to the snowboard or ski is controlled by the user's voice being detected by the voice recognition device, which voice is decoded by the command transmission device, which transmits a command to the receiver switch.

17. (New) The apparatus according to claim 16,

wherein at least one switch-transmitter is integrated in a glove of the user,

wherein the command signal of the transmitter to connect or disconnect the boot relative to the snowboard or ski is separately controlled by the user operating the at least one switch-transmitter which transmits the command signal to the receiver switch.

18. (New) An apparatus for controlling the connection and disconnection of a user's boot to a snowboard or ski, comprising:

a power source located about the user,

an electromagnetic device located on the boot;

a ferromagnetic material on an upper face of the snowboard or ski; and

Serial No. 10/582,097

a transmitter, operatively connected between the power source and the electromagnetic device, and being located about the user for sending a command signal to activate and deactivate said electromagnetic device,

wherein the connection and disconnection of the boot relative to the snowboard or ski occurs by presence or absence, respectively, of electromagnetic forces between the electromagnetic device and the electromagnetic material as controlled by the transmitter,

wherein the power source includes at least one rechargeable battery, a solar battery charger connected to the battery, at least one manual switch connected to the battery, the battery, charger and the manual switch being located in the belt of the user,

wherein the boot is first and second boots,

wherein the ski is first and second skis,

wherein the electromagnetic device is a first electromagnetic device on the first boot and a second electromagnetic device on the second boot,

wherein the transmitter includes first and second connectors electrically connected to the manual switch, a first cable located in a pant leg of the user and connecting the first connector to a third connector on the first cable, a second cable located in another pant leg of the user and connecting the second connector to a fourth connector terminating the second cable, a fifth connector on the boot that connects to the third connector, a sixth connector on the boot that connects to the fourth connector, a first cable on the boot connecting the fifth connector with the first electromagnetic device, and a second cable on the boot connecting the sixth connector with the second electromagnetic device, and

wherein the command signal of the transmitter to connect or disconnect the boots relative to the skis is controlled by the user manually operating the manual switch.

19. (New) An apparatus for controlling the connection and disconnection of a user's boot to a snowboard or ski, comprising:

a power source located about the user,

an electromagnetic device located on the boot;

a ferromagnetic material on an upper face of the snowboard or ski; and

Serial No. 10/582,097

a transmitter, operatively connected between the power source and the electromagnetic device, and being located about the user for sending a command signal to activate and deactivate said electromagnetic device,

wherein the connection and disconnection of the boot relative to the snowboard or ski occurs by presence or absence, respectively, of electromagnetic forces between the electromagnetic device and the electromagnetic material as controlled by the transmitter,

wherein the boot is first and second boots,

wherein the ski is first and second skis,

wherein the electromagnetic device is a first electromagnetic device on the first boot and a second electromagnetic device on the second boot,

wherein the transmitter includes a voice recognition device adjacent the user's mouth, a command transmission device located on clothing of the user, a first receiver switch on the first boot and a second receiver switch on the second boot, each of the first and second receiver switches to receive command signals from the command transmission device,

wherein, the first receiver switch is operatively connected to the first electromagnetic device and the second receiver switch is operatively connected to the second electromagnetic device,

wherein the command signal of the transmitter to connect or disconnect the first and second boots relative to the skis is controlled by the user's voice being detected by the voice recognition device, which voice is decoded by the command transmission device, which transmits a command to the first and second receiver switches.

20. (New) The apparatus according to claim 19,

a switch-transmitter integrated into each glove of the user,

wherein the command signal of the transmitter to connect or disconnect the first and second boots relative to the skis is separately controlled by the user operating the switch-transmitters which transmit the command signal to the first and second receiver switches.